

Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed.

The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.



Call Date: 9/7/2021

Water Supplier

Supplier Name: Fair Oaks Water District
System Name (if applicable):
PWSID: CA3410009
Supplier Participants: Robert Barragan

Key Audit Metrics

Data Validity Score:	72
ILI:	1.67
Real Loss:	27.83 gal / conn / day
Apparent Loss:	9.34 gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	1.4%

Validator

Validator: Jessica Jagdeo,
Water Systems Optimization
Validator Qualifications: Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.
All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name:

Fair Oaks Water District

Water Supplier Public Water System ID:

CA3410009

Water Audit Period:

CY 2020

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

The Fair Oaks Water District increased our data source accuracy by obtaining San Juan Water District's export meter full testing results, FOWD's own source well testing results and Sacramento County Sewer's water consumption report from fire hydrant withdrawals. We replaced approximately 250' of miscellaneous 12" water main with ductile iron pipe. We purchased Sonoscopes for all our fleet vehicles to aid in leak detection. FOWD continued to track estimated water losses based on the severity of leaks and track the estimated losses of water when flushing hydrants. We also continued replacing meters per our normal meter exchange program based on age and functionality. Our customer metering testing program continued which tested a sample of random meters whose stratification (by size, age, or other characteristics) represents customer meter stock.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print):

Tom R. Gray

Executive Position:

General Manager

Signature:

Date:

9/9/21

